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**Key:** IEEE JNL = IEEE Journal or Magazine, IEE JNL = IEE Journal or Magazine, IEEE CNF = IEEE Conference, IIE CNF = IIE Conference, IEEE STD = IEEE Standard

**1. A new data abstraction layer required for OODBMS**

Eun-Sun Cho; Sang-Yong Han; Hyoun-Joo Kim;

Database Engineering and Applications Symposium, 1997. IDEAS '97. Proceedings., International  
25-27 Aug. 1997 Page(s):144 - 148

IEEE CNF

**2. Revamping the OSCAR database: a flexible approach to cluster configuration data management**

Kim, D.; Squyres, J.M.; Lumsdaine, A.;

High Performance Computing Systems and Applications, 2005. HPCS 2005. 19th International Symposium on  
15-18 May 2005 Page(s):326 - 332

IEEE CNF

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**Key:** IEEE JNL = IEEE Journal or Magazine, IEE JNL = IEE Journal or Magazine, IEEE CNF = IEEE Conference, II CNF = IEE Conference, IEEE STD = IEEE Standard

1. **A language abstraction layer for relational DBMS**  
 Stanger, N.;  
 Software Engineering: Education and Practice, 1996. Proceedings. International Conference  
 24-27 Jan. 1996 Page(s):93 - 96  
 IEEE CNF
2. **Revamping the OSCAR database: a flexible approach to cluster configuration data management**  
 Kim, D.; Squyres, J.M.; Lumsdaine, A.;  
 High Performance Computing Systems and Applications, 2005. HPCS 2005. 19th International Symposium on  
 15-18 May 2005 Page(s):326 - 332  
 IEEE CNF
3. **A new data abstraction layer required for OODBMS**  
 Eun-Sun Cho; Sang-Yong Han; Hyoung-Joo Kim;  
 Database Engineering and Applications Symposium, 1997. IDEAS '97. Proceedings., International  
 25-27 Aug. 1997 Page(s):144 - 148  
 IEEE CNF
4. **The Introduction of the OSCAR Database API (ODA)**  
 DongInn Kim; Squyres, J.M.; Lumsdaine, A.;  
 High-Performance Computing in an Advanced Collaborative Environment, 2006. HPCS 2006. 20th International  
 Symposium on  
 14-17 May 2006 Page(s):39 - 39  
 IEEE CNF
5. **Efficiency of information update strategies for automatically switched multi-domain optical networks**  
 Sziget, J.; Ballok, I.; Cinkler, T.;  
 Transparent Optical Networks, 2005. Proceedings of 2005 7th International Conference  
 Volume 1, 3-7 July 2005 Page(s):445 - 454 Vol. 1  
 IEEE CNF
6. **SVL: storage virtualization engine leveraging DBMS technology**  
 Qiao, L.; Iyer, B.R.; Agrawal, D.; Abbadi, A.E.;  
 Data Engineering, 2005. ICDE 2005. Proceedings. 21st International Conference on  
 5-8 April 2005 Page(s):1048 - 1059  
 IEEE CNF
7. **Building blocks of a semantic Web framework - requirements analysis and architectural implications**  
 Biskup, T.; Gomez, J.M.;  
 Database and Expert Systems Applications, 2004. Proceedings. 15th International Workshop on  
 30 Aug.-3 Sept. 2004 Page(s):214 - 218  
 IEEE CNF
8. **The network as distributed object database**  
 Chien-Chung Shen; Wei, J.Y.;  
 Network Operations and Management Symposium, 1998. NOMS 98., IEEE  
 Volume 2, 15-20 Feb. 1998 Page(s):540 - 548 vol.2  
 IEEE CNF

9. **A hierarchical database for visual surveillance applications**  
Black, J.; Ellis, T.; Makris, D.;  
Multimedia and Expo, 2004. ICME '04. 2004 IEEE International Conference on  
Volume 3, 27-30 June 2004 Page(s):1571 - 1574 Vol.3  
IEEE CNF
10. **Reverse engineering is reverse forward engineering**  
Baxter, I.D.; Mehlich, M.;  
Reverse Engineering, 1997. Proceedings of the Fourth Working Conference on  
6-8 Oct. 1997 Page(s):104 - 113  
IEEE CNF
11. **Sensor-driven computing and communications**  
Hopper, A.;  
Living Life to the Full with Personal Technologies (Digest No. 1998/268), IEE Colloquium on  
3 June 1998 Page(s):2/1 - 2/4  
IEE CNF

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# EAST Search History

10,626,273

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	8	((("20020103780") or ("20020194263") or ("5394546") or ("5696961") or ("5761493") or ("5920870") or ("6073138") or ("6324541")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/08 09:32
S2	1	("5737726").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/07 10:07
S4	163	"abstraction layer" and metadata and key	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 10:05
S5	15	S4 and control near table	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 09:55
S6	1	"abstraction layer" with metadata with key	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 09:55
S7	3	"abstraction layer" same metadata same key	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 18:49
S8	79	S4 and translate	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 10:05
S9	16	S4 and translate with language	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 10:23
S10	2	S4 and "foreign language"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 10:23
S11	50	"display operator" same index	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 11:00
S12	6	S11 same table	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 11:00
S16	78	"database operation" same (greater or less)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 11:33
S17	68	"database operation" same (greater or less) and (table or index)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 10:21
S18	17	"database operation" same (greater or less) same(table or index)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 11:41

## EAST Search History

S19	13	("database operation" with (table or index)) same (greater or less)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 14:40
S21	936	(datatype or "data type") adj3 (index or table)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 14:41
S23	45	(datatype or "data type") adj1 (index or table) same (character time)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 14:42
S24	581	database adj2 (operation or operator) with (index or table)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 10:23
S25	1	database adj2 (operation or operator) with (index or table) with type with display	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 10:23
S26	26	database adj2 (operation or operator) with (index or table) with type	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 11:43
S27	26	database adj2 (operation or operator) with (index or table) with type	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 11:52
S28	4	(logical or logic) adj2 operator with table with display	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 15:25
S29	3	relational adj2 operator with table with display	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 13:57
S30	101	relational adj2 operator with (table or index)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 13:57
S31	86	relational adj2 operator with table	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 14:01
S32	3	relational adj2 operator with table with index	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 14:03
S33	2	comparison adj2 operator with table with index	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 14:29
S34	80	comparison adj2 operator with table	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 14:14
S35	2	comparison adj2 operator with table with index	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 14:14

## EAST Search History

S36	4	comparison adj2 operator with index same table	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 14:29
S37	12	comparison adj2 operator same index same table	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 14:29
S38	5	(logical or logic) adj2 operator with display adj2 operator	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 16:45
S39	7	(logical or logic) adj2 operator with (user adj2 display)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 15:31
S42	2217	display adj2 "equal"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 15:32
S44	28	associate with symbol with text	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 15:33
S45	269	(datatype or "data type") adj1 (index or table)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 16:54
S46	197	(datatype or "data type") adj1 (index or table) and display	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 16:54
S47	7	(datatype or "data type") adj1 (index or table) and "display operator"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 17:26
S48	3552	"entry point" same table	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 17:32
S49	399	"entry point" adj2 table	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 17:32
S50	34	"entry point" adj2 table same search	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/14 17:21
S51	1	("6014677").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/14 17:21
S52	146	syntax adj table	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 10:03
S54	23	syntax adj table and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 10:14

## EAST Search History

S55	84	valid adj2 input with field	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 10:15
S56	14	valid adj2 input with field and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 11:38
S57	111	picklist	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 11:39
S58	45	picklist and flag	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 13:05
S59	111	picklist sameflag	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 11:39
S60	2	picklist same flag	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 11:39
S62	11	(picklist or pick-list or "pick list") with flag	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 13:17
S63	1	(picklist or pick-list or "pick list") with flag same syntax	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 13:10
S64	1	(picklist or pick-list or "pick list") with flag and S55	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 13:18
S65	1	(picklist or pick-list or "pick list") and S55	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 13:18
S66	1	(picklist or pick-list or "pick list") and S52	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 13:36
S67	447	alias adj table	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 13:36
S68	50	alias adj table with field	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 13:37
S69	3	alias adj table with field with key	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 14:23
S70	49	pattern adj table with search	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 14:26

## EAST Search History

S71	3	pattern adj table with search with field	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 14:26
S72	6	pattern adj table with search and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 14:31
S73	37	search adj pattern same table and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 14:32
S74	18	search adj pattern with table and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 14:36
S75	16	search adj pattern with field and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 10:03
S76	10	"database access operator"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 16:45
S77	3	"text search" with "search flag"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/16 14:45
S79	45	field adj searchable and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/16 15:36
S81	1	sql adj query with search adj flag	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/16 15:07
S82	1	sql adj2 query with search adj2 flag	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/16 15:07
S83	41	(picklist or pick-list or "pick list") same flag	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/16 15:50
S84	31	field adj searchable and sql	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 09:59
S85	1	field adj searchable same sql	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 09:59
S86	1	("5717925").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/17 10:03
S87	2490	abstraction adj layer	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 18:51



## EAST Search History

S88	1	abstraction adj layer with metadata adj table	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 18:53
S89	1	abstraction adj layer same metadata adj table	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 18:53
S90	10	abstraction adj layer and metadata adj table	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:18
S91	647	abstraction adj layer and extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:07
S92	69	abstraction adj layer same extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:07
S93	8	abstraction adj layer same extensib\$ and "707/".ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:13
S94	0	database adj abstraction adj layer same extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:14
S95	9	database adj abstraction adj layer and extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:14
S96	365	((abstraction adj layer) or interface) and metadata adj table	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:18
S97	68	((abstraction adj layer) or interface) same metadata adj table	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:18
S98	2	((abstraction adj layer) or interface) same metadata adj table same extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:23
S99	16	((abstraction adj layer) or interface) same metadata adj table and extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:32
S100	31	independent near3 database near interface	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:33
S101	3	independent near3 database near interface and extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/10 19:33
S102	8	((("20020103780") or ("20020194263") or ("5394546") or ("5696961") or ("5761493") or ("5920870") or ("6073138") or ("6324541"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 10:04

## EAST Search History

S10 3	1	("5737726").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 10:04
S10 4	5	"abstraction layer" same metadata same key	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S10 5	1	"abstraction layer" with metadata with key	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S10 6	304	"abstraction layer" and metadata and key	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S10 7	65	S106 and control near table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S10 8	304	"abstraction layer" and metadata and key	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S10 9	177	S106 and translate	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S11 0	25	S106 and translate with language	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S11 1	2	S106 and "foreign language"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S11 2	56	"display operator" same index	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S11 3	9	S112 same table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S11 4	98	"database operation" same (greater or less)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S11 5	86	"database operation" same (greater or less) and (table or index)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S11 6	24	"database operation" same (greater or less) same(table or index)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S11 7	16	("database operation" with (table or index)) same (greater or less)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04

## EAST Search History

S11 8	1129	(datatype or "data type") adj3 (index or table)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S11 9	63	(datatype or "data type") adj1 (index or table) same (character time)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S12 0	732	database adj2 (operation or operator) with (index or table)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S12 1	2	database adj2 (operation or operator) with (index or table) with type with display	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S12 2	32	database adj2 (operation or operator) with (index or table) with type	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S12 3	32	database adj2 (operation or operator) with (index or table) with type	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S12 4	5	(logical or logic) adj2 operator with table with display	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S12 5	3	relational adj2 operator with table with display	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S12 6	122	relational adj2 operator with (table or index)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S12 7	3	relational adj2 operator with table with index	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S12 8	106	relational adj2 operator with table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S12 9	2	comparison adj2 operator with table with index	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S13 0	103	comparison adj2 operator with table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S13 1	2	comparison adj2 operator with table with index	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S13 2	5	comparison adj2 operator with index same table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04

## EAST Search History

S13 3	17	comparison adj2 operator same index same table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S13 4	6	(logical or logic) adj2 operator with display adj2 operator	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S13 5	7	(logical or logic) adj2 operator with (user adj2 display)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S13 6	2574	display adj2 "equal"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S13 7	30	associate with symbol with text	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S13 8	355	(datatype or "data type") adj1 (index or table)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S13 9	265	(datatype or "data type") adj1 (index or table) and display	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S14 0	10	(datatype or "data type") adj1 (index or table) and "display operator"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S14 1	4116	"entry point" same table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S14 2	447	"entry point" adj2 table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S14 3	37	"entry point" adj2 table same search	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S14 4	1	("6014677").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 10:04
S14 5	223	syntax adj table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S14 6	45	syntax adj table and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S14 7	138	valid adj2 input with field	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04

## EAST Search History

S14 8	18	valid adj2 input with field and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S14 9	145	picklist	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S15 0	62	picklist and flag	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S15 1	145	picklist sameflag	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S15 2	6	picklist same flag	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S15 3	13	(picklist or pick-list or "pick list") with flag	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S15 4	1	(picklist or pick-list or "pick list") with flag same syntax	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S15 5	1	(picklist or pick-list or "pick list") with flag and S147	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S15 6	2	(picklist or pick-list or "pick list") and S147	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S15 7	2	(picklist or pick-list or "pick list") and S145	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S15 8	503	alias adj table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S15 9	53	alias adj table with field	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S16 0	4	alias adj table with field with key	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S16 1	56	pattern adj table with search	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S16 2	3	pattern adj table with search with field	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04

## EAST Search History

S16 3	8	pattern adj table with search and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S16 4	54	search adj pattern same table and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S16 5	28	search adj pattern with table and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S16 6	19	search adj pattern with field and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S16 7	11	"database access operator"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S16 8	4	"text search" with "search flag"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S16 9	57	field adj searchable and "707"/.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S17 0	1	sql adj query with search adj flag	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S17 1	1	sql adj2 query with search adj2 flag	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S17 2	76	(picklist or pick-list or "pick list") same flag	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S17 3	41	field adj searchable and sql	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S17 4	1	field adj searchable same sql	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S17 5	1	("5717925").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 10:04
S17 6	2831	abstraction adj layer	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S17 7	1	abstraction adj layer with metadata adj table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04

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S17 8	1	abstraction adj layer same metadata adj table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S17 9	12	abstraction adj layer and metadata adj table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S18 0	730	abstraction adj layer and extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S18 1	82	abstraction adj layer same extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S18 2	8	abstraction adj layer same extensib\$ and "707/".ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S18 3	0	database adj abstraction adj layer same extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:32
S18 4	10	database adj abstraction adj layer and extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S18 5	422	((abstraction adj layer) or interface) and metadata adj table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S18 6	76	((abstraction adj layer) or interface) same metadata adj table	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S18 7	2	((abstraction adj layer) or interface) same metadata adj table same extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S18 8	20	((abstraction adj layer) or interface) same metadata adj table and extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S18 9	41	independent near3 database near interface	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S19 0	4	independent near3 database near interface and extensib\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:04
S19 1	24	database adj abstraction adj layer	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:56
S19 2	5	database same (abstraction adj layer) same extensib\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 10:58

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S19 3	27	database and (abstraction adj layer) same extensib\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 11:02
S19 4	81	separate with (abstraction adj layer)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 11:02
S19 5	28	separate with (abstraction adj layer) same interface	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 13:36
S19 6	4	separate with (abstraction adj layer) same interface same database	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 11:03
S19 7	3	("9964970").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 14:11
S19 8	609	key with column with identifier	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 14:11
S19 9	106	key adj column with identifier	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 14:11
S20 0	87	key adj column with identifier with table	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 14:18
S20 1	428	extend\$3 with database with table	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 14:18
S20 2	128	extend\$3 with database with table same (GUI interface application)	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 14:20
S20 3	2	extend\$3 with database with table same (GUI interface application) same abstraction	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 14:19



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S20 4	62	extend\$3 with database with table with (GUI interface application)	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 15:23
S20 5	24	database adj abstraction adj layer	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 15:24
S20 6	178	database with (abstraction adj layer)	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 15:51
S20 7	10	database with (abstraction adj layer) same metadat\$2	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 15:49
S20 8	112	database with (abstraction adj layer) and (extend\$3 extensib\$5)	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 16:08
S20 9	150	database with interface with abstraction	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 16:08
S21 0	49	database with interface with abstraction with layer	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 17:04
S21 1	3526	table with database with keys	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 17:07
S21 2	91	table adj2 database adj2 keys	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 17:09
S21 3	0	"table of database keys"	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 17:07

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S21 4	0	"table of keys"	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 17:19
S21 5	1	("6795821").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/01/30 18:21
S21 6	1	("5550971").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/01/30 18:21
S21 7	6672	"707/10".ccls.	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/30 19:03
S21 8	3189	database with control with table	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/31 09:27
S21 9	259	database with control adj table	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/31 09:33
S22 0	7	database with control adj table same (extensible extend\$3)	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/31 09:28
S22 1	2	database and modify\$3 adj control adj table	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/31 09:33
S22 2	23	database and (edit\$3 modify\$3 chang\$3) adj control adj table	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/31 09:35
S22 3	40	database and (edit\$3 modify\$3 chang\$3) adj (metadata control) adj table	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/31 09:35

## EAST Search History

S22 4	17	database and (edit\$3 modify\$3 chang\$3) adj (metadata) adj table	US-PGPUB; USPAT; USOCR; EPO; IBM_TDB	OR	ON	2007/01/31 09:35
S22 5	1	("20050021533").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/01/31 09:48